

# Erik Lundell

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⌚ Swedish, English

💻 Python, C/C++, Matlab, Web development, Java

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## EDUCATION

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### • Engineering physics

*Faculty of Engineering, Lund University (LTH)*

September 2018 - Summer 2023

- Specializing in Control theory.

- Exchange in Vienna in the spring of 2022.

- Master thesis at Ericsson, '*Energy-Efficient Fixed-Coefficient FIR Filters for Next-Gen mmWave Radios*'

### • Theoretical philosophy

*Lund University*

January 2018 - June 2018

## EXPERIENCE

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### • Student worker

*Axis Communications*

Summer 2022

- Created a web app (Python backend using a framework called Flask) for creating and visualizing collections of data from a database.

### • Student worker

*Axis Communications*

Summer 2021, part time October 2021 - February 2022

- Investigated using a game engine to generate data for machine learning. The project included writing python scripts to interact with the engine and a creating plugin in C++.

### • Student tutor

*Lund University, Lund*

September 2019 - Mars 2020

### • Bagage handling

*Sas Ground Handling, Arlanda*

February - August 2017, summer 2018 & 2019

### • Tekniksprånget (internship)

*Sandvik, Västberga*

September - December 2016

- Wrote a Python script to prepare, analyze and present data from an industrial process.

## ADDITIONAL QUALIFICATIONS

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### • Personal projects

- I have some hands-on experience of electronics from hobby projects, for example controlling a led display and step motors using Arduino.

### • Student activities

- During my studies in Lund I have been involved in many student activities, for example singing in the Ostrachorus student choir and cooking for Helsingkronaspexet. I also led a book club for 2 years.